



Seattle Children's Research Institute Science Adventure Lab!

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The Science Adventure Lab (SAL) is a state of the art traveling science lab funded through Seattle Children's Research Institute. Their mission is "... to deliver innovative educational experiences that inspire new passions for science, promote better health for all students, and enhance science education throughout Washington state by working in partnership with teachers, schools and communities." (<http://seattlechildrens.org/adventurelab/>)

The lab is designed for students in grades 4-8 to get experience conducting experiments with real scientific instruments in a professional research environment. SAL serves schools all over the state of Washington **at no cost**. The scientists on the SAL teach the following modules:

Elementary (grades 4-6)

- Seeking the Sugar Solution: Chemistry/Nutrition (Basic - 60 min)
- Catch Your Breath! Exploring Respiratory Function and Asthma (Basic - 60 min)
- Where Is Your DNA? DNA Isolation (Basic - 60 min)

Middle School (grades 6-8)

- Seeking the Sugar Solution: Chemistry/Nutrition (Advanced - 75 min)
- Catch Your Breath! Exploring Respiratory Function and Asthma (Advanced - 75 min)
- Where Is Your DNA? DNA Isolation Curriculum (Advanced - 90 min)
- Stop the Outbreak! Solve a Mystery Using DNA Fingerprinting (Advanced - 90 min)

All of the modules are all aligned with the Washington state science, health and fitness, and math standards and each lesson plan lists relevant EALRs and GLEs. They all include a pre-visit activity, hands on experiments and a post-visit activity.

If you are interested in having the SAL visit your school, you can request an application by emailing: adventurelab@seattlechildrens.org

The Science Adventure Lab gets many more requests than they can fulfill so it is a good idea to apply early.

Here are a few of the factors they consider when reviewing applications:

- percentage of students receiving free and reduced lunch (They typically visit schools with 40% or higher)
- math and science MSP scores
- Location
- access to other science programs (i.e. Pacific Science Center, UW etc...)

For more information, visit their website: <http://seattlechildrens.org/classes-community/community-programs/science-adventure-lab/>

